

Abstract

A fluidized bed apparatus has a rotary rotor 4 arranged at the bottom center thereof, a disintegrator mechanism 5 arranged above the rotary rotor 4, and a cylindrical draft tube 6 installed above the disintegrator mechanism 5. Further, a spray nozzle 7 is arranged by the side of the disintegrator mechanism 5. A fluidizing gas jetted from a gas dispersion plate 3 causes powder particles P in a processing container 1 to form a fluidized bed in which they circulate so as to ascend through the gap between the outer periphery of the rotary rotor 4 and the bottom inner wall of the processing container 1, the space between the disintegrator mechanism 5 and the inner wall of the processing container 1, and the space between the outer periphery of the draft tube 6 and the inner wall of the processing container 1, and descend through the inner portion of the draft tube 6.